

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L1	17770	pll	USPA T	2004/03/1 5 14:38	
2	BRS	L2	11682	frequency near5 compars\$5	USPA T	2004/03/1 5 14:27	
3	BRS	L3	13912	phase near4 compars\$5	USPA T	2004/03/1 5 14:27	
4	BRS	L4	3624	2 near5 3	USPA T	2004/03/1 5 14:27	
5	BRS	L5	1794	1 and 4	USPA T	2004/03/1 5 14:28	
6	BRS	L6	21732 1	gain	USPA T	2004/03/1 5 14:28	
7	BRS	L7	620	6 and 5	USPA T	2004/03/1 5 14:28	
8	BRS	L8	1734	clv	USPA T	2004/03/1 5 14:29	
9	BRS	L9	36	7 and 8	USPA T	2004/03/1 5 14:29	
10	BRS	L10	28154	pll	US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2004/03/1 5 14:38	
11	BRS	L11	10982	frequency near5 compars\$5	US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2004/03/1 5 14:39	
12	BRS	L12	20466	phase near5 compars\$5	US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2004/03/1 5 14:39	

	Error Definition	Er ro rs
1		0
2		0
3		0
4		0
5		0
6		0
7		0
8		0
9		0
10		0
11		0
12		0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
13	BRS	L13	3868	11 near5 12	US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2004/03/1 5 14:39	
14	BRS	L14	1531	10 and 13	US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2004/03/1 5 14:39	
15	BRS	L15	16114 7	gain	US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2004/03/1 5 14:39	
16	BRS	L16	205	14 and 15	US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2004/03/1 5 14:39	
17	BRS	L17	1434	clv	US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2004/03/1 5 14:39	

	Error Definition	Er ro rs
13		0
14		0
15		0
16		0
17		0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
18	BRS	L18	6	16 and 17	US-P GPUB ; EPO; JPO; DERW ENT; IBM- TDB	2004/03/1 5 14:39	

	Error Definition	Er ro rs
18		0

TITLE:

A clock information information for comparison read-out measurement frequency determined by the information control oscillator the voltage signal; a circuit in charge pump outputs of an output of unit; and a connected to grounded or between the the voltage command such desired output signals.

Summary of
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Summary of
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US 20020057633A1

(12) **Patent Application Publication**
Nakamura et al.

(43) Pub. Date: May 16, 2002

A clock extracting device of a disc reproducing apparatus, comprising: an information read-out member for reading

information signals from a disklike information recording medium; a voltage control oscillator; a phase comparator for comparing a phase of the information signals read by the information read-out member and a phase of an output of the voltage control oscillator; a frequency comparator for comparing a frequency of the information signals read by the information read-out member and a frequency of the output of the voltage control oscillator; a speed sensor for detecting the frequency of the output of the voltage control oscillator at a reference clock so as to output a speed signal; a gain command unit for designating a loop gain of a clock extracting circuit in accordance with the speed signal outputted from the speed sensor; a charge pump which discharges or draws electric current in accordance with outputs of the phase comparator and the frequency comparator and changes over an output current value in accordance with a gain command of the gain command unit; and a series circuit of a resistor and a capacitor, whose one end is connected to an output of the charge pump and the other end of which is grounded or is connected to a reference voltage, wherein an output voltage between the opposite ends of the series circuit acts as a control voltage for the voltage control oscillator and the gain command unit issues the gain command such that the loop gain of the clock extracting circuit secures a desired operating point in accordance with a read rate of the information signals.

